

# District of Columbia

Fire and Emergency Medical Services Department



## FY 2020 EMS CQI Patient Case Review Measures

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**District of Columbia Fire and EMS Department**  
FY 2020 EMS CQI Case Review (Cardiac Arrest Patients)

Cardiac Arrest (FY 2020) Measure	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	FYE 2020
<b>Number of Identified Cases Reviewed</b>	<b>72</b>	<b>84</b>	<b>85</b>	<b>87</b>	<b>74</b>	<b>70</b>	<b>132</b>	<b>87</b>	<b>67</b>				<b>758</b>
Appropriate Incident Scene Resuscitation Time	72	84	85	87	74	70	132	87	67				758
ETT or King Airway Used and Confirmed	65	71	72	83	69	58	118	70	57				663
IO or IV Line Placed	71	83	84	69	59	59	128	83	66				702
High Quality CPR or Lucas Device Used	67	82	84	84	67	63	132	86	67				732
ACLS Drugs Used Following FEMS Protocol	69	83	83	87	74	70	127	83	64				740
% Appropriate Incident Scene Time	100%	100%	100%	100%	100%	100%	100%	100%	100%				100%
% ETT or King Airway Used and Confirmed	90%	85%	85%	95%	93%	83%	89%	80%	85%				87%
% IO or IV Line Placed	99%	99%	99%	79%	80%	84%	97%	95%	99%				93%
% High Quality CPR or Lucas Device	93%	98%	99%	97%	91%	90%	100%	99%	100%				97%
% ACLS Drugs Used Following FEMS Protocol	96%	99%	98%	100%	100%	100%	96%	95%	96%				98%
Number of Required Elements	360	420	425	435	370	350	660	435	335				3,790
Number of Completed Required Elements	344	403	408	410	343	320	637	409	321				3,595
<b>% Completed Required Elements</b>	<b>96%</b>	<b>96%</b>	<b>96%</b>	<b>94%</b>	<b>93%</b>	<b>91%</b>	<b>97%</b>	<b>94%</b>	<b>96%</b>				<b>95%</b>

Cardiac Arrest (FY 2020) Measure	Q1 FY 2020	Q2 FY 2020	Q3 FY 2020	Q4 FY 2020	FYE 2020
<b>Number of Identified Cases Reviewed</b>	<b>241</b>	<b>231</b>	<b>286</b>		<b>758</b>
Appropriate Incident Scene Resuscitation Time	241	231	286		758
ETT or King Airway Used and Confirmed	208	210	245		663
IO or IV Line Placed	238	187	277		702
High Quality CPR or Lucas Device Used	233	214	285		732
ACLS Drugs Used Following FEMS Protocol	235	231	274		740
% Appropriate Incident Scene Time	100%	100%	100%		100%
% ETT or King Airway Used and Confirmed	86%	91%	86%		87%
% IO or IV Line Placed	99%	81%	97%		93%
% High Quality CPR or Lucas Device	97%	93%	100%		97%
% ACLS Drugs Used Following FEMS Protocol	98%	100%	96%		98%
Number of Required Elements	1,205	1,155	1,430		3,790
Number of Completed Required Elements	1,155	1,073	1,367		3,595
<b>% Completed Required Elements</b>	<b>96%</b>	<b>93%</b>	<b>96%</b>		<b>95%</b>

**District of Columbia Fire and EMS Department**  
FY 2020 EMS CQI Case Review (STEMI Patients)

STEMI (FY 2020) Measure	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	FYE 2020
<b>Number of Identified Cases Reviewed</b>	<b>18</b>	<b>21</b>	<b>24</b>	<b>22</b>	<b>18</b>	<b>12</b>	<b>20</b>	<b>16</b>	<b>31</b>				<b>182</b>
Aspirin Appropriately Administered	18	20	23	21	18	11	19	16	30				176
12 Lead EKG Completed	18	21	24	22	18	12	20	16	31				182
Patient Transport to STEMI Center	18	21	24	22	18	12	19	16	31				181
<b>% Aspirin Appropriately Administered</b>	<b>100%</b>	<b>95%</b>	<b>96%</b>	<b>95%</b>	<b>100%</b>	<b>92%</b>	<b>95%</b>	<b>100%</b>	<b>97%</b>				<b>97%</b>
<b>% 12 Lead EKG Completed</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>				<b>100%</b>
<b>% Patient Transport to STEMI Center</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>95%</b>	<b>100%</b>	<b>100%</b>				<b>99%</b>
Number of Required Elements	54	63	72	66	54	36	60	48	93				546
Number of Completed Required Elements	54	62	71	65	54	35	58	48	92				539
<b>% Completed Required Elements</b>	<b>100%</b>	<b>98%</b>	<b>99%</b>	<b>98%</b>	<b>100%</b>	<b>97%</b>	<b>97%</b>	<b>100%</b>	<b>99%</b>				<b>99%</b>

STEMI (FY 2020) Measure	Q1 FY 2020	Q2 FY 2020	Q3 FY 2020	Q4 FY 2020	FYE 2020
<b>Number of Identified Cases Reviewed</b>	<b>63</b>	<b>52</b>	<b>67</b>		<b>182</b>
Aspirin Appropriately Administered	61	50	65		176
12 Lead EKG Completed	63	52	67		182
Patient Transport to STEMI Center	63	52	66		181
<b>% Aspirin Appropriately Administered</b>	<b>97%</b>	<b>96%</b>	<b>97%</b>		<b>97%</b>
<b>% 12 Lead EKG Completed</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>		<b>100%</b>
<b>% Patient Transport to STEMI Center</b>	<b>100%</b>	<b>100%</b>	<b>99%</b>		<b>99%</b>
Number of Required Elements	189	156	201		546
Number of Completed Required Elements	187	154	198		539
<b>% Completed Required Elements</b>	<b>99%</b>	<b>99%</b>	<b>99%</b>		<b>99%</b>

**District of Columbia Fire and EMS Department**  
**FY 2020 EMS CQI Case Review (Stroke Patients)**

Stroke (FY 2020) Measure	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	FYE 2020
<b>Number of Identified Cases Reviewed</b>	<b>33</b>	<b>39</b>	<b>47</b>	<b>38</b>	<b>49</b>	<b>47</b>	<b>31</b>	<b>29</b>	<b>27</b>				<b>340</b>
Stroke Screening Exam Completed	33	38	47	37	49	47	31	29	27				338
BGL Obtained and Recorded	32	39	46	37	49	47	31	29	25				335
Patient Transport to Stroke Center	33	39	47	38	49	47	31	29	27				340
<b>% Stroke Screening Completed</b>	<b>100%</b>	<b>97%</b>	<b>100%</b>	<b>97%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>				<b>99%</b>
<b>% BGL Obtained and Recorded</b>	<b>97%</b>	<b>100%</b>	<b>98%</b>	<b>97%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>93%</b>				<b>99%</b>
<b>% Patient Transport to Stroke Center</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>				<b>100%</b>
Number of Required Elements	99	117	141	114	147	141	93	87	81				1,020
Number of Completed Required Elements	98	116	140	112	147	141	93	87	79				1,013
<b>% Completed Required Elements</b>	<b>99%</b>	<b>99%</b>	<b>99%</b>	<b>98%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>98%</b>				<b>99%</b>

Stroke (FY 2020) Measure	Q1 FY 2020	Q2 FY 2020	Q3 FY 2020	Q4 FY 2020	FYE 2020
<b>Number of Identified Stroke Reviewed</b>	<b>119</b>	<b>134</b>	<b>87</b>		<b>340</b>
Stroke Screening Exam Completed	118	133	87		338
BGL Obtained and Recorded	117	133	85		335
Patient Transport to Stroke Center	119	134	87		340
<b>% Stroke Screening Completed</b>	<b>99%</b>	<b>99%</b>	<b>100%</b>		<b>99%</b>
<b>% BGL Obtained and Recorded</b>	<b>98%</b>	<b>99%</b>	<b>98%</b>		<b>99%</b>
<b>% Patient Transport to Stroke Center</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>		<b>100%</b>
Number of Required Elements	357	402	261		1,020
Number of Completed Required Elements	354	400	259		1,013
<b>% Completed Required Elements</b>	<b>99%</b>	<b>100%</b>	<b>99%</b>		<b>99%</b>

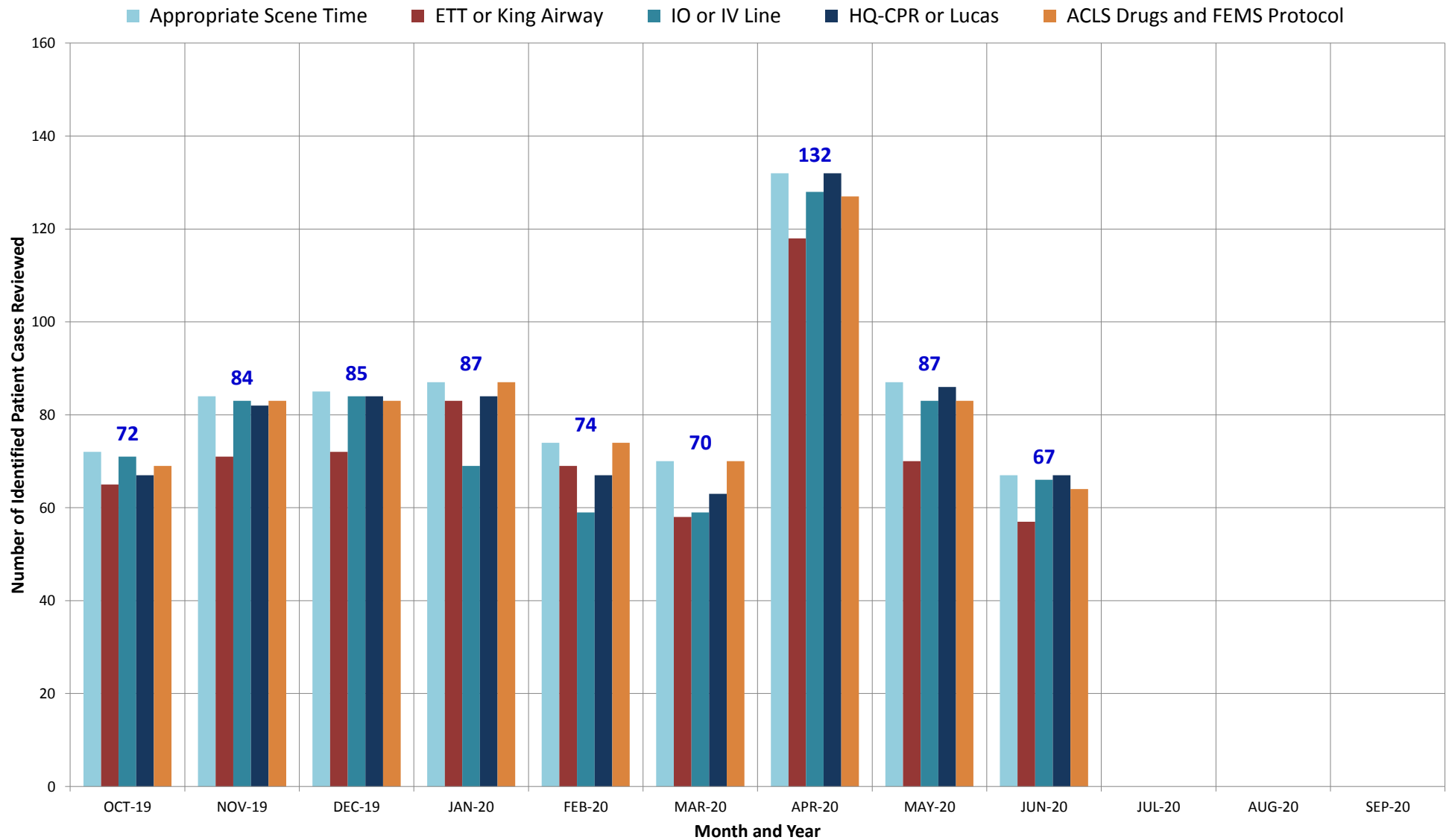
**District of Columbia Fire and EMS Department**  
FY 2020 EMS CQI Case Review (Trauma Patients)

Trauma (FY 2020) Measure	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	FYE 2020
Number of Identified Cases Reviewed	33	28	24	31	32	35	22	40	38				283
Primary Trauma Assessment Exam Completed	33	28	24	31	32	35	22	40	38				283
Appropriate Incident Scene Time for Case													
Patient Transport to Trauma Center	33	28	24	31	32	35	22	40	38				283
% Trauma Assessment Completed	100%	100%	100%	100%	100%	100%	100%	100%	100%				100%
% Appropriate Incident Scene Time													
% Patient Transport to Trauma Center	100%	100%	100%	100%	100%	100%	100%	100%	100%				100%
Number of Required Elements	66	56	48	62	64	70	44	80	76				566
Number of Completed Required Elements	66	56	48	62	64	70	44	80	76				566
% Completed Required Elements	100%	100%	100%	100%	100%	100%	100%	100%	100%				100%

Trauma (FY 2020) Measure	Q1 FY 2020	Q2 FY 2020	Q3 FY 2020	Q4 FY 2020	FYE 2020
Number of Identified Cases Reviewed	85	98	100		283
Primary Trauma Assessment Exam Completed	85	98	100		283
Appropriate Incident Scene Time for Case					
Patient Transport to Trauma Center	85	98	100		283
% Trauma Assessment Completed	100%	100%	100%		100%
% Appropriate Incident Scene Time					
% Patient Transport to Trauma Center	100%	100%	100%		100%
Number of Required Elements	170	196	200		566
Number of Completed Required Elements	170	196	200		566
% Completed Required Elements	100%	100%	100%		100%

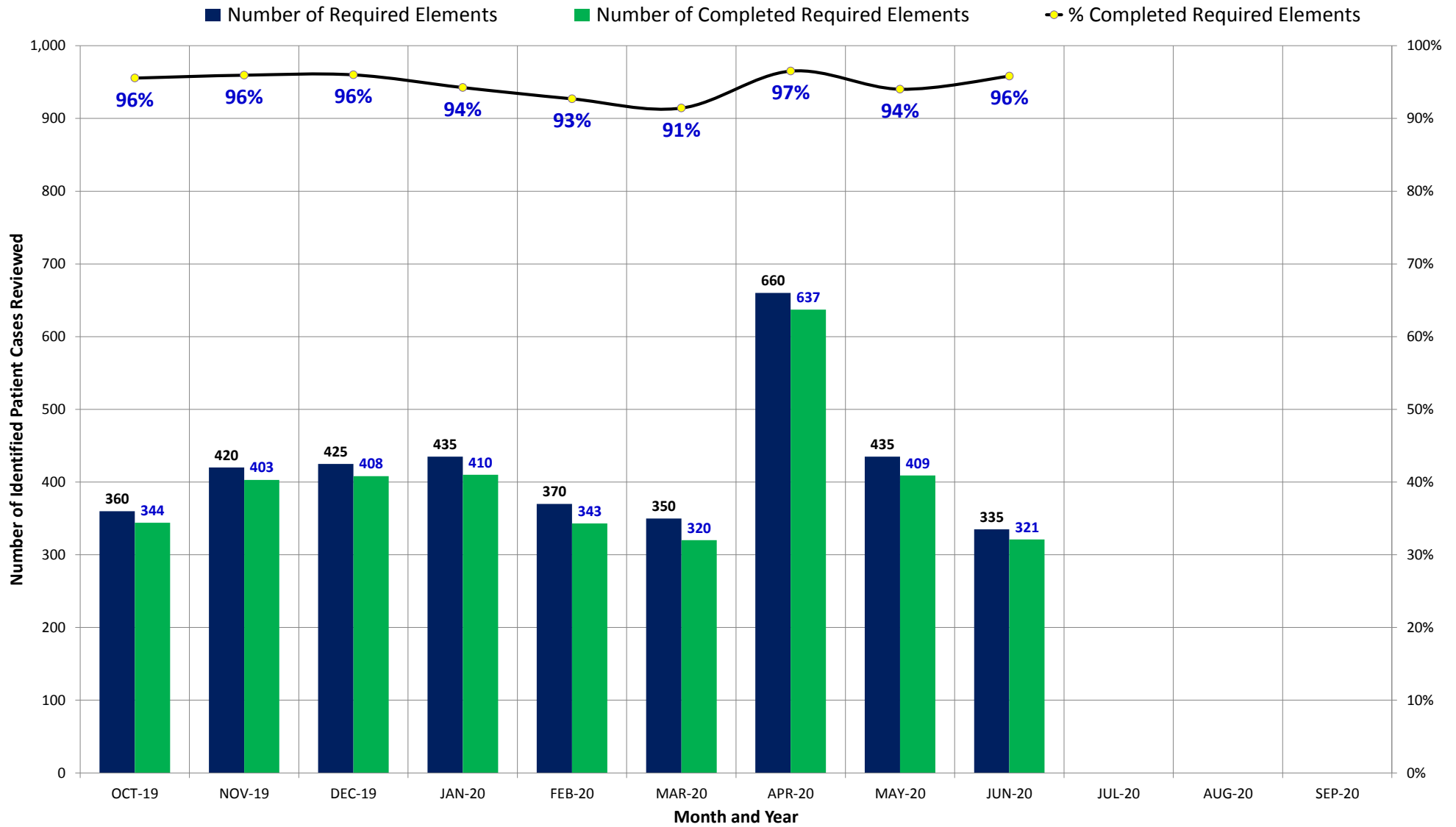
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## EMS CQI Case Review: **Cardiac Arrest** Patients (Element Completion Counts)



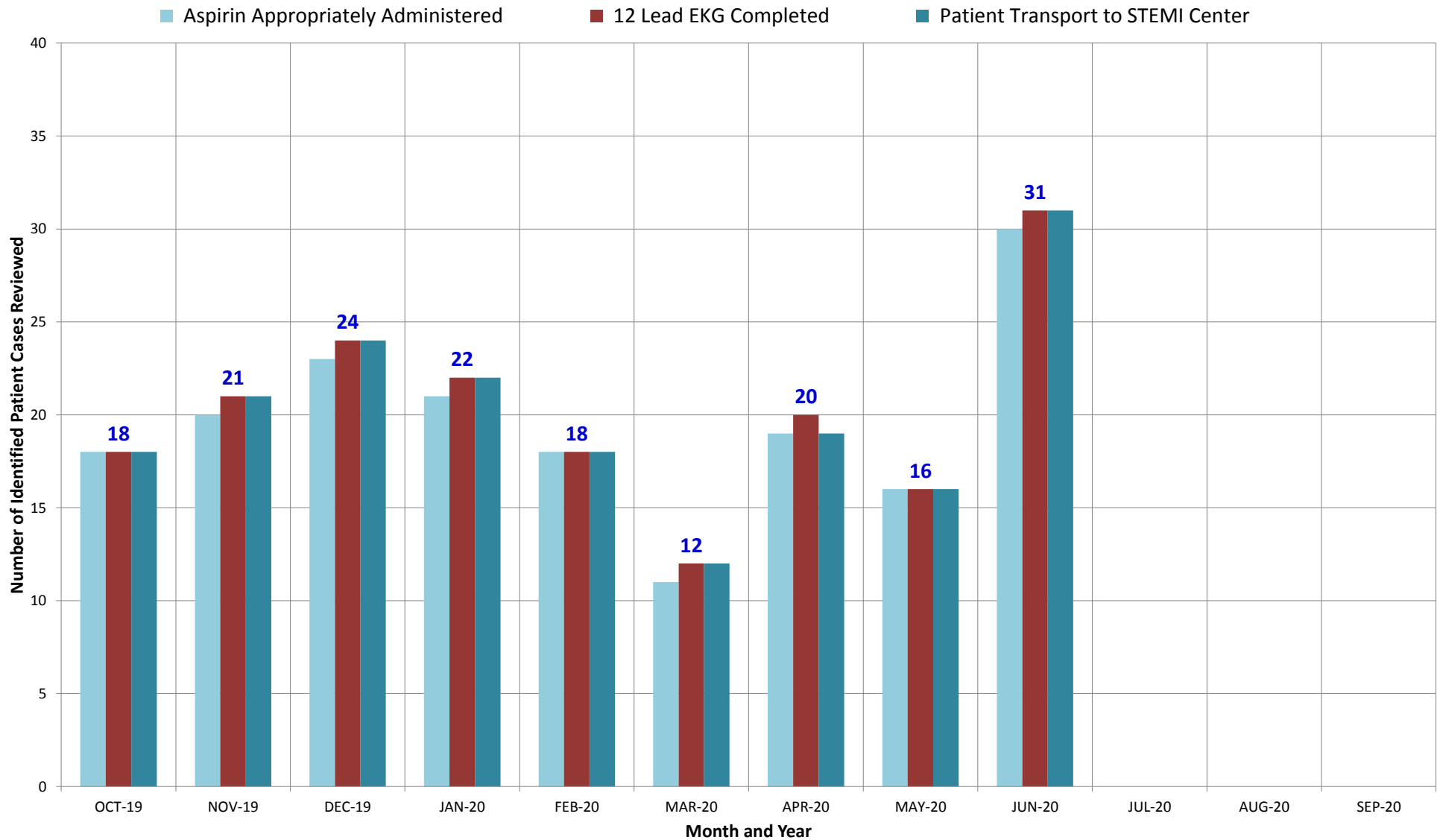
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## EMS CQI Case Review: Cardiac Arrest Patients (Element Completion Percentages)



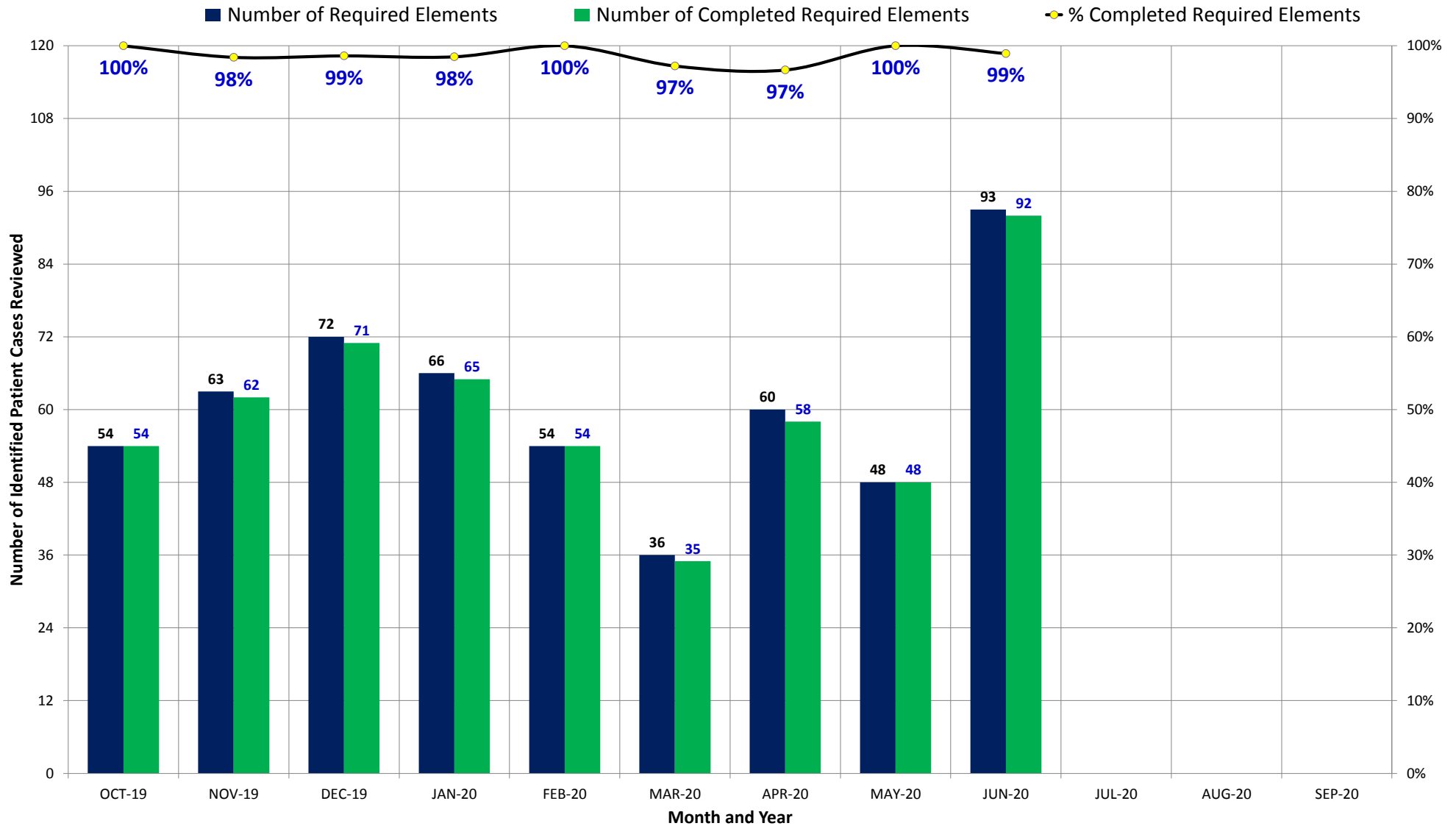
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## EMS CQI Case Review: STEMI Patients (Element Completion Counts)



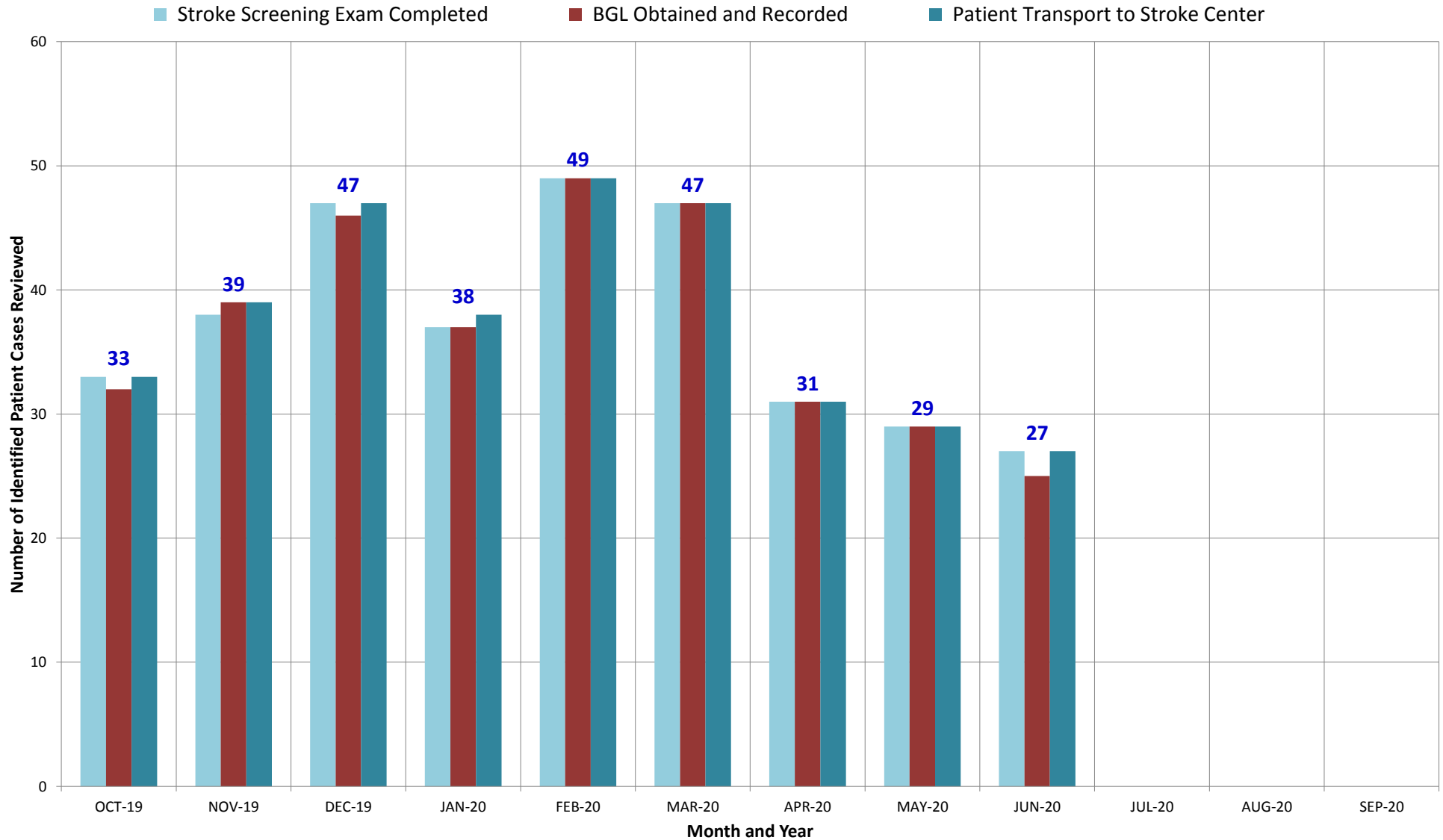
# DISTRICT OF COLUMBIA FIRE AND EMS DEPARTMENT

## EMS CQI Case Review: **STEMI** Patients (Element Completion Percentages)



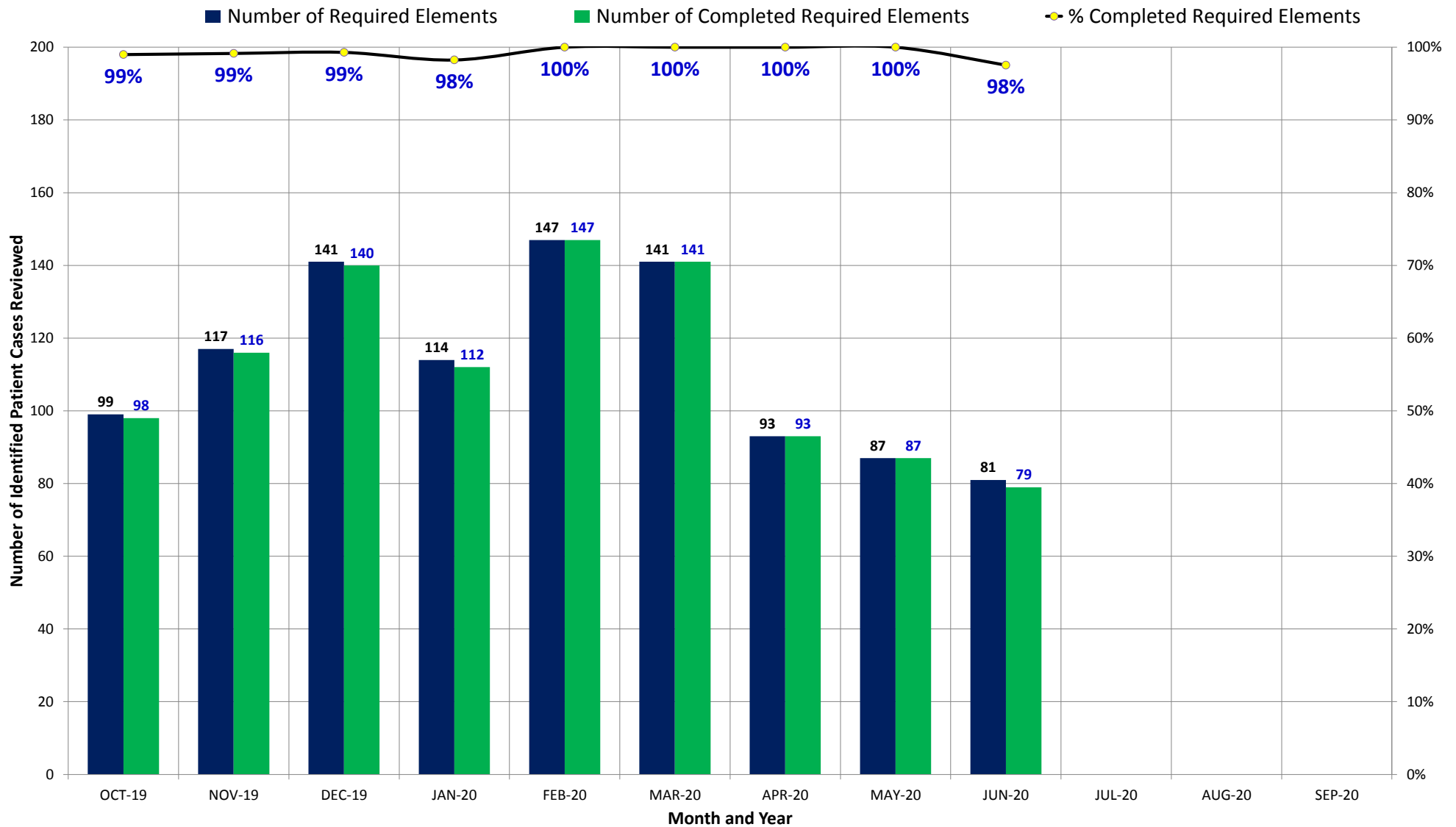
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## EMS CQI Case Review: **STROKE** Patients (Element Completion Counts)



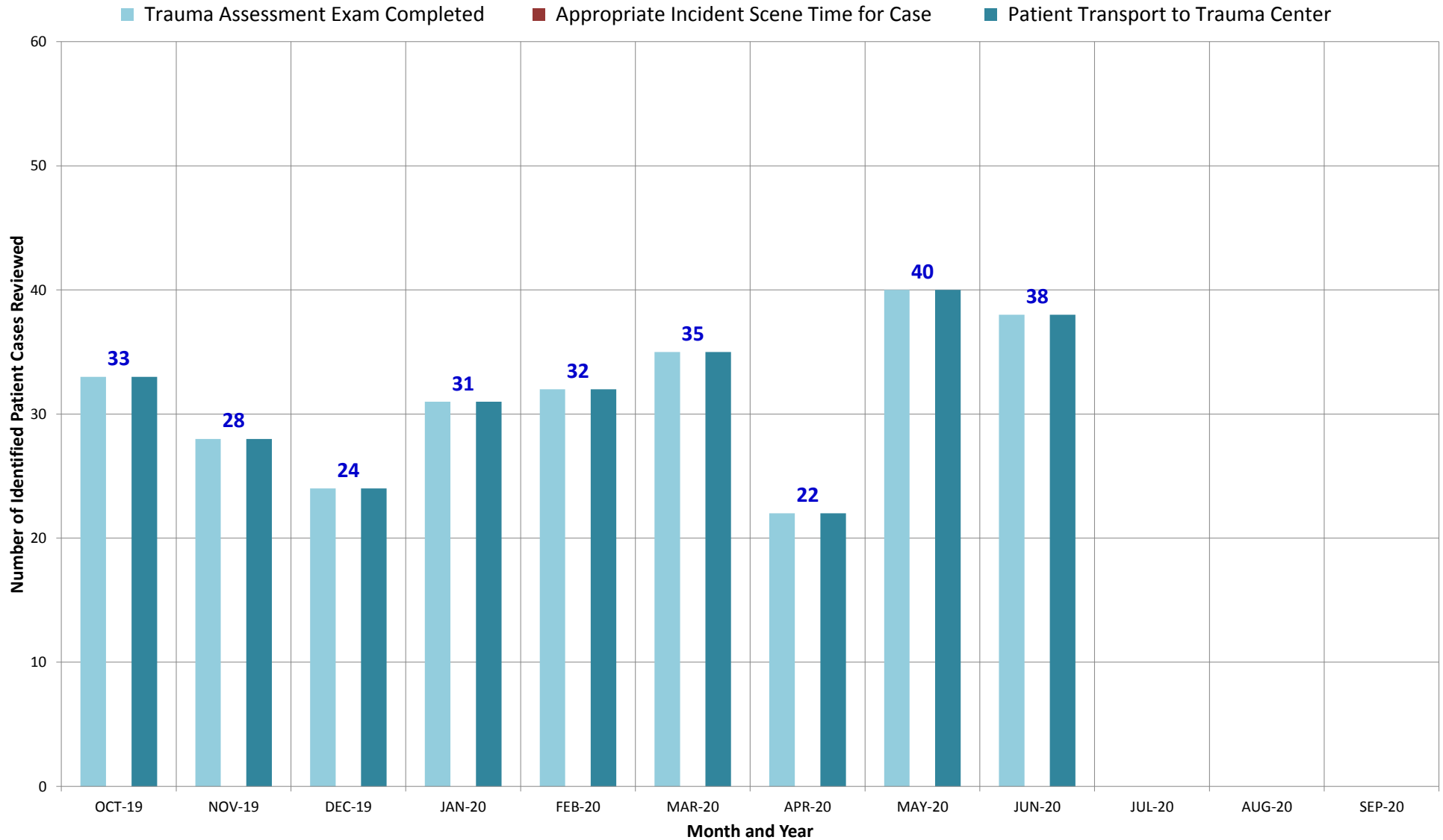
# DISTRICT OF COLUMBIA FIRE AND EMS DEPARTMENT

## EMS CQI Case Review: **STROKE** Patients (Element Completion Percentages)



# DISTRICT OF COLUMBIA FIRE AND EMS DEPARTMENT

## EMS CQI Case Review: **TRAUMA** Patients (Element Completion Counts)



# DISTRICT OF COLUMBIA FIRE AND EMS DEPARTMENT

## EMS CQI Case Review: **TRAUMA** Patients (Element Completion Percentages)

